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Earth holds comet smash in its sights p1013
Wider astronomy community watches and awaits Deep Impact.
Tony Reichhardt
doi: 10.1038/4351013°

Earth science: New Madrid in motion p1037
A new network of geodetic field stations has greatly improved monitoring of relative motion across a seismic zone in the central United States. It seems that rapid deformation is occurring across this fault system.
Martitia P. Tuttle
doi: 10.1038/4351037a

Vortices and superfluidity in a strongly interacting Fermi gas p1047
M. W. Zwierlein et al.
doi: 10.1038/nature03858

A planetary system as the origin of structure in Fomalhaut's dust belt p1067
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doi: 10.1038/nature03601

Timescales of shock processes in chondritic and martian meteorites p1071
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doi: 10.1038/nature03616

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doi: 10.1038/nature03814

Space geodetic evidence for rapid strain rates in the New Madrid seismic zone of central USA p1088
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doi: 10.1038/nature03642

?? SCIENCE

Fire cycles in North American interior grasslands and their relation to prairie drought
K. J. Brown, J. S. Clark, E. C. Grimm, J. J. Donovan, P. G. Mueller,

B. C. S. Hansen, and I. Stefanova
Proc. Natl. Acad. Sci. USA. 2005; 102(25): p. 8865-8870
<http://www.pnas.org/cgi/content/abstract/102/25/8865?ct>

Climatically driven macroevolutionary patterns in the size of marine diatoms over the Cenozoic
Zoe V. Finkel, Miriam E. Katz, James D. Wright, Oscar M. E. Schofield, and Paul G. Falkowski
Proc. Natl. Acad. Sci. USA. 2005; 102(25): p. 8927-8932
<http://www.pnas.org/cgi/content/abstract/102/25/8927?ct>

Richness of plant-insect associations in Eocene Patagonia: A legacy for South American biodiversity
Peter Wilf, Conrad C. Labandeira, Kirk R. Johnson, and N. Ruben Cuneo
Proc. Natl. Acad. Sci. USA. 2005; 102(25): p. 8944-8948
<http://www.pnas.org/cgi/content/abstract/102/25/8944?ct>

Crystal Structure of Human Toll-Like Receptor 3 (TLR3) Ectodomain
Jungwoo Choe, Matthew S. Kelker, and Ian A. Wilson
<http://www.sciencemag.org/cgi/content/abstract/1115253v2?etoc>
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